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Samsung Electronics Co., Ltd., a corporation, states that it is the assignee of the entire right, title, and interest in the following patent applications by virtue of assignments from their respective inventor(s). The assignments have been recorded in the United States Patent and Trademark Office at the Reel and Frame numbers indicated below.

Docket No.	Serial Number	Date Filed	Patent Number	Title	Reel/Frame No.
61920033AA	09/122,076	07/24/1998	5,999,390	Input Buffer Circuit For Semiconductor Device	9567/0005
61920034AA	09/178,734	10/27/1998	6,005,825	Synchronous Semiconductor Memory Device Having Wave Pipelining Control Structure And Method For Outputting Data Using The Same	9551/0457
61920035AA	09/178,733	10/27/1998	ABANDONED PER CLIENT	Sputterings Method Using Ionized Material For Forming A Layer	9546/0759
61920036AA	09/138,655	08/24/1998	6,054,391	Method For Etching A Platinum Layer In A Semiconductor Device	9422/0234
61920038AA	09/301,327	04/29/1999	6,056,544	Apparatus For Baking Resists On Semiconductor Wafers	9937/0403
61920039AA	09/295,602	04/22/1999	6,194,931	Circuit For Generating Backbias Voltage Corresponding To Frequency And Method Thereof For Use In Semiconductor Memory Device	9918/0887
61920040AA	09/305,362	05/05/1999	6,115,317	Semiconductor Memory Device For Masking Data By Controlling Column Select Line Signals	009957/0797
61920043AA	09/172,135	10/14/1998		Method of crystallizing silicon film and method of manufacturing thin film transistor liquid crystal display (tft-lcd) using the same	9527/0526
61920044AA	09/160,186	09/25/1998	5,936,687	Liquid Crystal Display Having An Electrostatic Discharge Protection Circuit And A Method For Testing Display Quality Using The Circuit	9627/0729

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Docket No.	Serial Number	Date Filed	Patent Number	Title	Reel/Frame No.
61920045AA	09/160,377	09/25/1998	6,177,970	In-Plane Switching Mode Liquid Crystal Display And A Method Manufacturing The Same	9651/0836
61920046AA	09/198,615	11/24/1998	ABANDONED PER CLIENT	Liquid Crystal Display With Improved Metal Shell Type Connector Assembly	9626/0386
61920047AA	09/170,100	10/13/1998	6,130,443	Liquid Crystal Display Having Wires Made of Molybdenum-Tungsten Alloy And A Method of Manufacturing The Same	9653/0872
61920048AA	09/172,130	10/14/1998		Liquid crystal displays and manufacturing methods thereof	9697/0178
61920049AA	09/174,429	10/19/1998		Liquid crystal displays and manufacturing methods thereof	9726/0857
61920050AA	09/184,953	11/03/1998		Liquid crystal display having a modified electrode array	9566/0863
61920051AA	09/187,019	11/06/1998	6,141,092	Method and Apparatus For Measuring A Flicker Level	9739/0206
61920052AA	09/196,185	11/20/1998		Wires for liquid crystal displays, liquid crystal displays having the same, and manufacturing method thereof	9612/0321
61920053AA	09/227,257	01/08/1999	6,071,868	Photoresist Stripping Composition	9695/0507
61920054AA	09/201,837	12/01/1998	6,146,796	Liquid Crystal Display And A Manufacturing Method Thereof	9649/0667
61920055AA	09/204,369	12/04/1998	6,300,987	Thin Film Transistor Array Panels For Liquid Crystal Displays	9710/0571
61920056AA	09/206,317	12/07/1998		Liquid crystal displays, manufacturing methods and testing methods thereof	9651/0293
61920057AA	09/223,274	12/30/1998	Abandoned Per Client	Liquid crystal display having high contrast ratio	9704/0850
61920058AA	09/221,174	12/28/1998		Liquid Crystal Display Having A Dual Bank Data Structure And A Driving Method Thereof	9695/0330
61920059AA	09/222,783	12/30/1998	6,317,173	Liquid Crystal Displays, Manufacturing Methods And A Driving Method Thereof	9835/0487
61920059BA	09/956,145	09/20/2001		Liquid crystal displays, manufacturing methods and a driving method thereof	9835/0487

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Docket No.	Serial Number	Date Filed	Patent Number	Title	Reel/Frame No.
61920060AA	09/223,275	12/30/1998		Liquid crystal displays and manufacturing methods thereof	9704/0826
61920061AA	09/263,782	03/05/1999		Power supply apparatus of an LCD and voltage sequence control method	9825/0337
61920062AA	09/231,670	01/15/1999	6,130,568	Threshold Voltage Compensation Circuit	9852/0005
61920063AA	09/288,035	04/08/1999	6,148,728	Method For Cleaning A Printing Plate And Apparatus For Cleaning The Printing Plate	9900/0123
61920064AA	09/231,091	01/14/1999		Laser cutting apparatus and device	9732/0181
61920065AA	09/231,109	01/14/1999	6,297,869	Method For Cutting A Liquid Crystal Display Panel (As Amended)	9733/0636
61920065BA	09/920,799	08/03/2001		Liquid crystal display panel and a substrate thereof	9733/0636
61920067AA	09/245,123	01/14/1999	6,295,105	Enhanced Backlight Assembly For A Liquid Crystal Display (As Amended)	9758/0250
61920068AA	09/300,483	04/28/1999		Liquid crystal display module and holding assemblies applied to the same	9943/0633
61920069AA	09/234,293	01/21/1999		Apparatus For Removing A Polarizer Of A Liquid Crystal Display	9724/0902
61920070AA	09/312,835	05/17/1999		Liquid crystal display having dual shift clock wire	9986/0480
61920071AA	09/251,942	02/18/1999		Displays having processors for image data	9854/0881
61920072AA	09/401,963	09/22/1999		Liquid crystal display device and a method for manufacturing a grounding device	010270/0335
61920073AA	09/510,197	02/22/2000		Driving system of an LCD device and LCD panel driving method	010591/0252
61920074AA	09/299,739	04/27/1999		A Manufacturing Process Automation System Using A File Server And Its Control	009934/0297
61920075AA	09/266,897	03/12/1999		A liquid crystal display and a method of manufacturing the same	9830/0855

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Docket No.	Serial Number	Date Filed	Patent Number	Title	Reel/Frame N
61920076AA	09/328,393	06/09/1999		Cutting And Sorting Automation System And Method For Controlling The Same	See attached Assignment
61920077AA	09/330,206	06/11/1999	6,211,127	Photoresist Stripping Composition	010041/0070
61920079AA	09/533,379	03/22/2000		Thin film transistor panels for liquid crystal displays	010644/0728
61920081AA	09/164,392	09/30/1998		Liquid crystal display and a method for driving	9632/0572
61920082AA	09/200,577	11/27/1998	6,266,120	Dummy Pad, A Printed Circuit Board Including The Same, And A Liquid Crystal Display Including The Same	9714/0635
61920083AA	09/337,735	06/22/1999		Variable Time Etching System According To The Number Of Devices Being Processed And A Method For Etching In The Same Manner	010063/0036
61920084AA	09/459,924	12/14/1999		Liquid crystal display thin film transistor driving circuit	010463/0745
61920085AA	09/311,718	05/14/1999		Liquid crystal displays having multi-domains and a manufacturing method thereof	010142/0012
61920086AA	09/323,030	06/01/1999	6,225,150	Method For Forming TFT In Liquid Crystal Display	010020/0128
61920086BA	09/793,541	02/27/2001		Method for forming TFT in liquid crystal display	010020/0128
61920087AA	09/314,293	05/19/1999		Liquid crystal display having a wide viewing angle	010143/0524
61920087CA		12/18/2001		Liquid crystal display having a wide viewing angle	0101431/0524
61920088AA	09/315,105	05/20/1999		Liquid crystal display having wide viewing angle	010143/0470
61920089AA	09/389,474	09/03/1999		Driving Device And A Driving Method For A Display Device	010396/0896
61920089BA	09/967,926	10/02/2001		Driving Device and a Driving Method for a Display Device	010396/0896
61920090AA	09/410,760	10/01/1999		Thing film transistor array panel for a liquid crystal display and a method or manufacturing the same	010322/0887

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Docket No.	Serial Number	Date Filed	Patent Number	Title	Reel/Frame No
61920091AA	09/417,045	10/12/1999		Method for manufacturing a thin film transistor array panel for a liquid crystal display and a photolithography method for fabricating thin films	010524/0415
61920091BA	09/968,522	10/02/2001		Method for manufacturing a thin film transistor array for a liquid crystal display and a photolithography method for fabricating thin films	010524/0415
61920092AA	09/418,476	10/15/1999		Thin film transistor array panel for a liquid crystal display and methods for manufacturing the same	010328/0710
61920093AA	09/357,884	07/21/1999		Liquid crystal display module using a flexible printed circuit	010127/0949
61920094AA	09/405,178	09/24/1999	6,207,480	Method of manufacturing a thin film transistor array for a liquid crystal display	011507/0661
61920094BA	09/781,987	02/14/2001		Apparatus For Manufacturing A Thin Film Transistor Array Panel For A Liquid Crystal Display	011507/0661
61920095AA	09/391,661	09/07/1999	6,255,130	Thin Film Transistor Array Panel And A Method For Manufacturing The Same	010396/0813
61920096AA	09/415,456	10/14/1999		Liquid crystal display having an electrostatic circuit	010487/0768
61920097AA	09/377,075	08/19/1999		Integrated system for detecting and repairing semiconductor defects and a method for controlling the same	010195/0420
61920098AA	09/395,954	09/14/1999		A system for selectively managing workpieces and a method for controlling the same	010259/0075
61920099AA	09/382,820	08/25/1999		Liquid crystal display module and an assembly method thereof	010204/0102
61920100AA	09/512,267	02/24/2000		Liquid crystal display and a method for driving the same	010925/0973
61920101AA	09/433,930	10/26/1999		Liquid crystal display having different common voltage	010374/0291
61920102AA	09/480,689	01/11/2000		System and method for moving substrates in and out of a manufacturing process	010515/0301

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Docket No.	Serial Number	Date Filed	Patent Number	Title	Reel/Frame No
61920103AA	09/460,724	12/14/1999		Apparatus and method for unloading substrates	010462/0553
61920104AA	09/410,761	10/01/1999	6,190,224	Automation System And A Method For Assembling A WorkPiece	010320/0020
61920106AA	09/425,050	10/22/1999	6,256,077	Thin Film Transistor Array Panel For A Liquid Crystal Display And A Method For Manufacturing The Same Using Four Photolithography Steps	010346/0690
61920107AA	09/417,076	10/13/1999		Patterned vertically aligned liquid display	010339/0667
61920108AA	09/421,478	10/20/1999		Thin film transistor array panel for a liquid crystal display and a method for manufacturing the same	010341/0176
61920109AA	09/438,579	11/12/1999		Thin film transistor array panel for a liquid crystal display and a method for manufacturing the same	010398/0990
61920110AA	09/414,818	10/08/1999	6,288,343	Printed Circuit Board	010323/0082
61920111AA	09/421,477	10/20/1999	6,265,290	Method For Fabricating A Thin Film Transistor And A Substrate And Thin Film Transistor Manufactured Using The Same	010341/0206
61920112AA	09/435,356	11/08/1999		Liquid crystal display and a method for fabricating the same	010386/0779
61920112BA	09/966,090	10/01/2001		Method for fabricating a reflection type liquid crystal display (as amended)	010386/0779
61920113AA	09/435,357	11/08/1999		Flat Panel Display System And Image Signal Interface Method Thereof	010386/0765
61920114AA	09/431,157	11/01/1999		Liquid crystal display having wide viewing angle	See attached Assignment
61920114PA	09/727,782	12/04/2000		Liquid crystal display having wide viewing angle	011586/0060
61920115AA	09/503,157	02/11/2000		System and method for controlling an in-line apparatus	010560/0078
61920116AA	09/556,779	04/25/2000		Liquid crystal display	010749/0571
61920117AA	09/450,377	11/29/1999		The tape carrier package and an LCD module using the same	010427/0379

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61920118AA	09/450,333	11/29/1999		Thin film transistor array panel for liquid crystal display and methods for manufacturing the same	010737/0649
61920119AA	09/472,246	12/27/1999	6,300,152	Method For Manufacturing A Panel For A Liquid Crystal Display	010492/0797
61920120AA	09/474,070	12/29/1999	6,287,899	Thin Film Transistor Array Panels For A Liquid Crystal Display And A Method For Manufacturing The Same	010491/0400
61920120BA	09/910,808	07/24/2001		Thin film transistor array panels for a liquid crystal display and a method for manufacturing the same	010491/0400
61920121AA	09/475,794	12/30/1999		Alignment layer printing device	See attached Assignment
61920122AA	09/527,807	03/17/2000		Liquid crystal displays, a method for manufacturing the same, and a mask for optical treatment of an alignment layer of the same	010637/0693
61920124AA	09/521,179	03/08/2000		Thin film transistor array panels for liquid crystal display having a wide viewing angle and a method for manufacturing the same	010632/0903
61920125AA	09/585,430	06/02/2000		Multisync display device and driver	010840/0066
61920127AA	09/551,404	04/17/2000		Tape Carrier Package And A Liquid Crystal Display Panel Having The Same	010733/0141
61920127PA	09/612,296	07/07/2000		Signal transmission film and a liquid crystal display panel having the same	011269/0777
61920128AA	09/527,803	03/17/2000		Thin film transistor array for liquid crystal display and method for repairing the same	011963/0961
61920129AA	09/556,299	04/24/2000		Method for recycling alignment layer materials	011057/0600
61920130AA	09/519,997	03/06/2000		Reflection Type Liquid Crystal Display And A Method For Fabricating The Same	010929/0551
61920131AA	09/545,891	04/07/2000		Thin film transistor array panels for a liquid crystal display and a method for manufacturing the same	011045/0440

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Docket No.	Serial Number	Date Filed	Patent Number	Title	Reel/Frame No
61920132AA	09/558,647	04/02/2000		Thin film transistor array panel and methods for manufacturing the same	010751/0614
61920134AA	09/559,483	04/27/2000		Liquid crystal display	011099/0224
61920135AA	09/571,008	05/15/2000		Low temperature polycrystalline silicon type thin film transistor and a method of the thin film transistor fabrication	011079/0737
61920136AA	09/585,427	06/02/2000		Thin film transistor array substrate for a liquid crystal display and a method for fabricating the same	010840/0056
61920137AA	09/576,129	05/22/2000		Liquid crystal display having improved retardation film	011079/0785
61920138AA	09/651,114	08/30/2000		Composition for positive type photoresist	011374/0523
61920139AA	09/650,898	08/30/2000		Composition for positive type photoresist	011373/0707
61920140AA	09/654,927	09/05/2000		Positive photoresist layer and a method for using the same	011384/0523
61920141AA	09/615,794	07/13/2000		Liquid crystal display	011363/0372
61920142AA	09/651,258	08/30/2000		Method for fabricating top gate polycrystalline silicon thin film transistor	011060/0055
61920143AA	09/736,281	12/15/2000		Module for determining the driving signal timing and a method for driving a liquid crystal display panel	011626/0618
61920146AA	09/621,825	07/21/2000		Liquid crystal display and an information processing apparatus having the same	011002/0115
61920147AA	09/631,766	08/03/2000		Liquid crystal display	011504/0964
61920148AA	09/636,466	08/11/2000		Thin film transistor array substrate for a liquid crystal display	011332/0504
61920149AA	09/804,063	03/13/2001		Driving apparatus of a flat panel display	012139/0208
61920150AA	09/804,056	03/13/2001		Photolithography system and a method of fabricating thin film transistor array substrate using the same	011901/0720

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Docket No.	Serial Number	Date Filed	Patent Number	Title	Reel/Frame No.
61920152AA	09/697,153	10/27/2000		Vertical alignment mode liquid crystal display	See attached assignment.
61920153AA	09/948,639	09/10/2001		Signal transmission film, control signal part and liquid crystal display including the film	See attached Assignment
61920154AA	09/676,812	10/02/2000		Liquid crystal display	011802/0705
61920155AA	09/755,193	01/08/2001		Contact structure of wiring and a method for manufacturing the same	See attached Assignment
61920156AA	09/705,928	11/06/2000		Thin film transistor array panel for a liquid crystal display	011670/0979
61920157AA	09/837,374	04/19/2001		Contact structures of wirings and methods for manufacturing the same, and thin film transistor array panels including the same and methods for manufacturing the same	011726/0087
61920158AA	09/751,840	01/02/2001		Contact structures of wirings and methods for manufacturing the same, and thin film transistor array panels including the same and method for manufacturing the same	See attached assignment.
61920159AA	09/676,813	10/02/2000		Thin Film Transistor Array Panel For A Liquid Crystal Display And Methods For Manufacturing The Same	011481/0995
61920160AA	09/940,429	08/29/2001		Control signal part and liquid crystal display including the control signal	012136/0768
61920161AA	09/680,306	10/06/2000		Liquid crystal module, liquid crystal display device employing the same and assembly method thereof	See attached assignment.
61920162AA				Thinner for rinsing photoresist and method of treating photoresist layer	File Closed Pe Client
61920163AA	09/892,576	06/28/2001		Thin film transistor array substrate for liquid crystal display and method of fabricating the same	011946/0984
61920164AA	09/853,642	05/14/2001		Thin film transistor array substrate for liquid crystal display and method for fabricating the same	012155/0100
61920165AA	09/709,648	11/13/2000		Method of forming thin film transistor	011762/0876

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61920166AA	09/709,312	11/13/2000		Reflective transmission type thin film transistor liquid display	011765/0636
61920167AA	09/901,127	07/10/2001		Liquid crystal display	011985/0906
61920168AA	09/874,316	06/06/2001		Method for illuminating liquid crystal display device, a back-light assembly for performing the same, and a liquid crystal display device using the same	011885/0659
61920169AA	09/725,470	11/30/2000		Liquid crystal display device	011324/0318
61920170AA	09/924,677	08/09/2001		Fluorescent lamp and liquid crystal display device having the same	012070/0454
61920171AA	09/732,769	12/11/2000		Liquid crystal display device	011357/0064
61920172AA	09/736,280	12/15/2000		Liquid crystal display module	011626/0602
61920173AA	09/967,938	10/02/2001		Apparatus for injecting liquid crystal materials and methods for manufacturing liquid crystal panels by using the same	See attached assignment.
61920174AA	09/886,128	06/22/2001		Liquid crystal display device having a flexible circuit board	011930/0410
61920175AA	09/748,135	12/27/2000		Liquid crystal display	011718/0321
61920176AA				Liquid crystal display and driving method thereof	Application Nc Filed Per Clier
61920177AA	09/887,117	06/25/2001		Liquid crystal display using swing common electrode and a method for driving the same	011938/0509
61920178AA	09/852,647	05/11/2001		Thin film transistor array substrate for a liquid crystal display and method for fabricating the same	011800/0683
61920179AA	09/804,052	03/13/2001		Liquid crystal display and a TFT panel applied thereto	011778/0468
61920180AA	09/821,039	03/30/2001		Liquid crystal display	011665/0532
61920181AA	09/832,914	04/12/2001		Backlight unit for liquid crystal display device	011719/0744
61920182AA	09/837,375	04/19/2001		In-plane switching type liquid crystal display device and a method for manufacturing the same	011702/0059

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61920183AA	09/773,603	02/02/2001		Liquid Crystal Display And Driving Method Thereof	See attached Assignment
61920184AA	09/882,043	06/18/2001		Liquid crystal display device and a method for assembling the same	011926/0908
61920185AA				Liquid crystal display device with a function of adaptive brightness and method of driving the same	Application No Filed, Per Client
61920186AA	09/964,639	09/28/2001		Control signal unit for a liquid crystal display and a method for fabricating the same	012212/0283
61920187AA	09/906,680	07/18/2001		Method for manufacturing a polysilicon type thin film transistor	012004/0107
61920188AA	09/924,761	08/09/2001		Reflection type liquid crystal display	012070/0482
61920189AA	09/970,992	10/05/2001		Liquid crystal display device	012239/0903
61920190AA	09/779,705	02/09/2001		Thin film transistor array substrate for liquid crystal display and method of fabricating the same	011866/0440
61920191AA	09/950,613	09/13/2001		Flat panel display device	See attached assignment
61920192AA	09/947,714	09/07/2001		Liquid crystal display using common electrode voltage and a drive method thereof	012159/0541
61920193AA	09/993,503	11/27/2001		Method for decreasing misalignment of a printed circuit board and a liquid crystal display device with the printed circuit board	See attached Assignment
61920194AA	09/804,381	03/13/2001		Driving module for a liquid crystal display panel and a liquid crystal display device having the same	011604/0375
61920195AA				Polarizing plate gluing apparatus, polarizing palte reworking apparatus, and polarizing plate gluing method and plate reworking method using the same	Application N Filed – Per Clie t – CLOSED
61920196AA	09/978,040	10/17/2001		Method and apparatus for cutting a non-metal substrate by using a laser beam	See attached assignment.
61920197AA	09/912,500	07/26/2001		Flat panel display	0120288/038

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Docket No.	Serial Number	Date Filed	Patent Number	Title	Reel/Frame No
61920198AA	09/886,022	06/22/2001		Flat panel display with an enhanced data transmission	011930/0420
61920199AA	09/886,126	06/22/2001		Stack type package assembly, LCD having the same, and assembly method of stack type backlight assembly	011930/0405
61920200AA	09/886,028	06/22/2001		Flat panel display capable of digital data transmission	See attached assignment.
61920201AA	09/953,308	09/17/2001		Liquid crystal display with multi-frame inverting function and an apparatus and a method for driving the same	012171/0014
61920202AA	09/886,029	06/22/2001		Shift register and driving circuit of LCD using the same	011938/0656
61920203AA	09/935,158	08/23/01		Liquid Crystal Display And Substrate Thereof	012125/0558
61920204AA	09/970,994	10/05/2001		Liquid crystal display having wide viewing angle	See attached assignment
61920205AA	09/934,590	08/23/2001		Low power LCD	012111/0412
61920206AA	09/942,863	08/31/2001		Abnormal operation prevention circuit for display device and method for operating the same	012140/0546
61920207AA	09/928,350	08/14/2001		Flat panel display and drive method thereof	012079/0007
61920208AA				Backlight assembly and liquid crystal display having the same	Application N. Filed Yet
61920209AA	09/956,146	09/20/2001		Gray voltage generation circuit for driving a liquid crystal display rapidly	See attached Assignment
61920210AA	09/917,910	07/31/2001		Real size display system	012040/0447
61920211AA	09/985,030	11/01/2001		Gate signal delay compensating LCD and driving method thereof	See attached assignment.
61920212AA	09/995,766	11/29/2001		LCD panel, LCD including the same, and driving method thereof	See attached assignment.
61920213AA	09/933,178	08/21/2001		Liquid crystal display device	012111/0273
61920214AA	09/887,111	06/25/2001		Liquid crystal display with wide viewing angle	011938/0523

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61920215AA	09/838,384	04/20/2001		Liquid crystal display device having a container module with a novel structure	011719/0889
61920216AA	09/838,383	04/20/2001		Liquid crystal display	See attached Assignment
61920217AA	Filed Application 01/16/02			Backlight assembly and liquid crystal display device having the same	See attached Assignment
61920218AA	09/940,457	08/29/2001		Panel for liquid crystal display	012128/0353
61920219AA	09/838,385	04/20/2001		In-line system and a methods for manufacturing liquid crystal display	011988/0300
61920220AA	09/988,169	11/19/2001		Thin film transistor array substrate for liquid crystal display and method for fabricating the same	See attached assignment
61920221AA	09/911,613	07/25/2001		TFT LCD device having multi-layered pixel electrodes	012019/0234
61920222AA	Application filed 01/28/02			Liquid crystal display device and method for manufacturing the same	See attached Assignment
61920223AA	09/970,785	10/05/2001		Thin film transistor array substrate, method for manufacturing the same and system for inspecting the substrate	See attached assignment
61920224AA	Application filed 01/09/02			Substrate for liquid crystal display and method of fabricating the same	See attached Assignment
61920225AA	09/886,006	06/22/2001		Liquid crystal display device having a light guiding plate with a novel structure	011930/0451
61920226AA	09/852,717	05/11/2001		Liquid crystal display and substrate thereof	011801/0237
61920227AA	09/955,084	09/19/2001		LCD device and a method for reducing flickers	012191/0665
61920228AA				Connector, backlight assembly lamp unit having the connector and liquid crystal display having the same	Application N Filed Yet
61920229AA	09/848,618	07/10/2001		Liquid crystal display device	011962/0633

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Docket No.	Serial Number	Date Filed	Patent Number	Title	Reel/Frame No
61920230AA	09/862,588	05/23/2001		Thin film transistor substrate for a liquid crystal display and a method for repairing the substrate	011847/0670
61920231AA	09/969,998	10/04/2001		Liquid crystal display and a method for fabricating the same	See attached assignment
61920232AA	09/879,119	06/13/2001		Liquid crystal display with a wide viewing angle using a compensation film	011899/0587
61920233AA	09/850,367	05/08/2001		Liquid crystal display device and method for assembling the same	012069/0511
61920234AA				Liquid crystal display adaptive to visual field angle	Application N Filed Yet
61920235AA				LCD, and driving device and method thereof	Application N Filed Yet
61920236AA				Shift register and liquid crystal display using the same	Application N Filed Yet
61920237AA	09/879,112	06/13/2001		Vertically-aligned liquid crystal display with a small domain	011899/0453
61920238AA	09/859,801	05/18/2001		Backlight assembly and liquid crystal display device using thereof	012175/0742
61920239AA	09/901,128	07/10/2001		Vertically aligned liquid crystal display	011985/0901
61920240AA	09/953,200	09/17/2001		Light guide device, and liquid crystal display module and liquid crystal display device having the same	012171/0881
61920241AA				Backlight assembly and liquid crystal display device having the same	Application N Filed Yet
61920242PR	60/295,022	06/04/2001		Liquid crystal display with an adjusting function of a gamma curve	See attached assignment
61920243PR	60/295,021	06/04/2001		Flat panel display	See attached assignment
61920244AA				Liquid crystal display and method for manufacturing the same	Application N Filed Yet

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Docket No.	Serial Number	Date Filed	Patent Number	Title	Reel/Frame No.
61920245AA				Method for controlling electron stream within lamp of cold cathode fluorescent tube, method for driving cold cathode fluorescent tube type illumination device using the same, cold cathode fluorescent tube type illumination device and LCD having the same	Application No Filed Yet
61920246AA				Illuminating method of removal moire phenomenon in reflective type liquid crystal display assembly and light supply unit and method for fabricating light distribution alteration unit thereof	Application No Filed Yet
61920247AA	09/912,523	07/26/2001		Liquid crystal display and drive method thereof	012028/0157
61920248AA	09/912,522	07/26/2001		System and method for analyzing and utilizing intellectual property information	012028/0947
61920249AA	Filed Application 01/17/02			LCD and driving method thereof	See attached Assignment
61920250AA				LCD of impulse driving method and driving method thereof	File Closed Ar Transferred Per Client
61920251AA				Light source device, backlight assembly and liquid crystal display device having the same	Application N Filed Yet
61920252AA				Liquid crystal display device	Application N Filed Yet
61920253AA				LCD with adaptive luminance intensifying function and driving method thereof	Application N Filed Yet
61920254AA	09/901,137	07/10/2001		Liquid crystal display with a function of color correction, and apparatus and method for driving thereof	See attache assignment
61920255AA	09/961,438	09/25/2001		Apparatus and method for automatic brightness control for use in liquid crystal display devices	012209/072

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Docket No.	Serial Number	Date Filed	Patent Number	Title	Reel/Frame No
61920256AA				A wiring line assembly and method of manufacturing the same, and thin film transistor array substrate having the wiring line assembly and method of manufacturing fabricating same	Application No Filed Yet
61920257AA	09/964,645	09/28/2001		Thin film transistor array substrate	012212/0240
61920258AA				Polycrystalline silicon thin film transistor of liquid crystal display and manufacturing method thereof	Application N Filed Yet
61920259AA	09/917,689	07/31/2001		Wiring line assembly for thin film transistor array substrate and a method for fabricating the same	012039/0865
61920260AA	09/911,084	07/24/2001		Liquid crystal display device	012259/0642
61920261AA				Method and Apparatus For Cutting A Non-Metallic Substrate Using A Laser Beam	Application N Filed Yet
61920262AA	09/985,031	11/01/2001		Reflection type liquid crystal display and a method for manufacturing the same	See attached Assignment
61920263AA	09/928,349	08/14/2001		Liquid crystal display and a method for fabricating the same	See attached Assignment
61920264AA				Liquid crystal display	Application N Filed Yet
61920265AA				Liquid crystal display device having a wire fixing member	Application N Filed Yet
61920266AA	09/940,606	08/29/2001		Liquid crystal display reducing color coordinate shift	012136/067
61920267AA				Thin film transistor for liquid crystal display and method of manufacturing the same	Application N Filed Yet
61920268AA	09/955,218	09/19/2001		Liquid crystal display panel	012181/062
61920269AA				Method and apparatus for cutting substrate into multiple pieces with once irradiation of laser beam	Application N Filed Yet
61920270AA	09/969,717	10/04/2001		Liquid crystal display	012239/048

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Docket No.	Serial Number	Date Filed	Patent Number	Title	Reel/Frame No.
61920271AA				Liquid crystal display and method of driving the same	Application Not Filed Yet
61920272AA				Multi domain liquid crystal display	Application Not Filed Yet
61920273AA	09/977,684	10/16/2001		Color filter plate and thin film transistor plate for liquid crystal display, and methods for fabricating the same	See attached assignment
61920274AA				Liquid crystal display device	Application No Filed Yet
61920275AA				Light guiding plate, method of manufacturing the same and liquid crystal display having the light guiding plate	Application No Filed Yet
61920276AA	09/983,878	10/26/2001		Liquid Crystal Display	See attached assignment
61920277US				Liquid crystal display device	Application No Filed Yet
61920278AA	Filed Application 01/22/02			Thin film transistor liquid crystal display	See attached Assignment
61920279AA	09/986,707	11/09/2001		LCD for speeding initial bend state, driver and method thereof	See attached Assignment
61920280AA				Methods for forming photosensitive insulating film pattern and reflection electrode each having irregular upper surface and method for manufacturing LCD having reflection electrode using the same	Application Nc Filed Yet

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The assignee of the above-identified patent applications hereby appoints:

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Mary G. Goulet, Reg. No. 35,884	Mark J. Young, Reg. No. 39,436
Philip D. Lane, Reg. No. 41,140	

as attorneys to prosecute these applications and transact all business in the Patent and Trademar Office connected therewith.

The undersigned hereby grants said attorneys the power to insert on this Power of Attorney any further identification that may be necessary or desirable in order to comply with t rules of the U.S. Patent and Trademark Office.

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On behalf of Samsung Electronics:

FOR: SAMSUNG ELECTRONICS CO., LTD.

SIGNATURE: _____

BY: Jun H. Souk

TITLE: Sr. VP

DATE: Feb 1 '02

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BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
YOU, CHUN-GI DOC DATE: 03/30/2001

ASSIGNEE:
SAMSUNG ELECTRONICS CO., LTD.
416 MAETAN-DONG, PALDAL-KU
SUWON-CITY, KYUNGKI-DO
REPUBLIC
OF KOREA

SERIAL NUMBER: 09736280 FILING DATE: 12/15/2000
PATENT NUMBER: ISSUE DATE:

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Chun-Gi YOU

Additional name(s) of conveying party(ies) attached? ☐ yes ☒ no

2. Name and address of receiving party(ies):

Name: **Samsung Electronics Co., Ltd.**

Street Address: **416 Maetan-dong, Paldal-ku**

City: **Suwon-city** State: **Kyungki-do** Zip Code:

Country: **Korea**

Additional name(s) & address(es) attached? ☐ yes ☒ no

3. Nature of Conveyance:

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

Execution Dates: March 30, 2001

4. Application number: 09/736,280

If this document is being filed together with a new application, the execution date of the application is

A. Patent Application No.

B. Patent No(s).

Additional numbers attached? ☐ yes ☒ no

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: **HOWREY SIMON ARNOLD & WHITE, LLP**

Internal Address:

Street Address: Box No. 34
1299 Pennsylvania Ave, NW

City: Washington State: DC Zip Code: 20004-2402

6. Total number of applications and patents involved: 1

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Michael J. Bell
Name of Person Signing
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April 19, 2001
Date

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In consideration of the sum of One Dollar ($1.00) or equivalent and other good and valuable consideration paid to each of the undersigned: YOU, Chun-Gi the undersigned hereby sell and assign to Samsung Electronics Co., Ltd. (the Assignee), his/her entire right, title and interest

check applicable box(es) ☒: for the United States of America (as defined in 35 U.S.C. § 100),
☒: and throughout the world,

in the invention(s) known as **Contact Structure Of Wiring And A Method For Manufacturing The Same** for which application(s) for patent in the United States of America has (have) been executed by the undersigned on March 30, 2001 (also known as **United States Application No. 09/755,193, filed January 8, 2001**), in any and all applications thereon, in any and all Letters Patent(s) therefor, and in any and all reissues, extensions, renewals, reexaminations of such applications or Letters Patent(s) and divisional and continuation applications thereof, to the full end of the term or terms for which such Letters Patent(s) issue, including all claims, if any, that may have arisen for infringement prior to the date of this assignment, such entire right, title and interest to be held and enjoyed by the above-named Assignee to the same extent as they would have been held and enjoyed by the undersigned had this assignment and sale not been made.

The undersigned agree(s) to execute all papers necessary in connection with the application(s) and any continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference that may be declared concerning the application(s) or any continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

The undersigned hereby represents that the undersigned has full right to convey the entire interest herein assigned, and that the undersigned has not executed, and will not execute, any agreement in conflict therewith.

The undersigned hereby grant(s)

Jason C. Absair, Reg. No. 44,007
Michael J. Bell, Reg. No. 39,604
John A. Bendrick, Reg. No. 41,612
Andrew S. Brenc, Reg. No. 45,534
Celine T. Callahan, Reg. No. 34,301
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IN WITNESS WHEREOF, executed by the undersigned on the date(s) opposite their name(s).

Date: March 30, 2001 Signature of Inventor: You Chun-Gi
YOU, Chun-Gi

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